

Recombinant Human B3GALT5, Fc-tagged

Cat. No. B3GALT5-227H Lot. No. (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human B3GALT5 (Q9Y2C3) (Asn29-Val310) was expressed with the Fc region of human IgG1 at the N-terminus.
Species	Human
Source	Human Cells
ProteinLength	Asn29-Val310
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant human B3GALT5/Fc comprises 542 amino acids and has a predicted molecular mass of 61.3 kDa. The apparent molecular mass of the protein is approximately 62 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>75 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	B3GALT5?UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5 [Homo sapiens?(human)]
Official Symbol	B3GALT5
Synonyms	B3GALT5; B3T5; GLCT5; B3GalTx; B3GalT-V; beta3Gal-T5; beta-3-Gx-T5; beta-1,3-GalTase 5; UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5; beta-1,3-galactosyltransferase 5; beta-3-galactosyltransferase 5; homolog of C. elegans Bt toxin resistance gene bre-5; UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase 5; NP_001265579.1; EC 2.4.1.-; NP_006048.1; NP_149360.1; NP_149361.1; NP_149362.2
Gene ID	10317
mRNA Refseq	NM_001278650
Protein Refseq	NP_001265579
MIM	604066
UniProt ID	Q9Y2C3
Chromosome Location	21q22.3
Pathway	Glycosphingolipid biosynthesis - globo series; Glycosphingolipid biosynthesis - lacto and neolacto series; Glycosphingolipid biosynthesis, lacto-series, LacCer =>Lc4Cer
Function	UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase activity

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